



# Hematology Department

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## Basics Of Hematology Training Course

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**Outline:** This training course provide students with knowledge about different lab procedures used in hematology lab like CBC, Blood film interpretation, Anemia and leukemias.

### Schedule


#### Basics Of Hematology course

Days	T / P	Task
Day1	T / P	<ul style="list-style-type: none"><li>• Basic Tests in Hematology Laboratory and sampling technique.</li><li>• Hematopoiesis</li><li>• Basis of Complete Blood picture</li></ul>

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Day2	T / P	<ul style="list-style-type: none"> <li>• Blood Film preparation, staining and Examination</li> <li>• Hematology analyzers types, techniques, Curves, Errors and precautions.</li> <li>• ESR and Reticulocyte count</li> </ul>
Day3	T / P	Types and causes of Anemia
Day4	T / P	<ul style="list-style-type: none"> <li>• Thalassemia, Hemoglobin Electrophoresis</li> <li>• Bone marrow aspirate technique and examination of Bone Marrow Blood Film</li> <li>• Flowcytometry basics</li> </ul>
Day5	T / P	<ul style="list-style-type: none"> <li>• Introduction to leukemias and lymphomas</li> <li>• Role of Flowcytometry and Molecular techniques in Hematology</li> </ul>

## Training Outcomes:

1. Different lab tests in hematology
2. Blood film staining and interpretation
3. Types and causes of Anemias
4. Introduction to leukaemias and lymphomas